



Design Synopsis

834 MHz, 14 Elements, 13.556 dBd Estimated Gain

31.4 Degrees *Horizontal* Beam Width

32.6 Degrees *Vertical* Beam Width

15.00 mm Diameter, *Metalic* Boom with *Bonded* Elements. Boom Correction of 00.653 applied.

Electrical Boom Length of 1400.0 mm.
Allow for overhang when cutting boom to length.

4.000 mm Driven Element Diameter.

6.000 mm Parasitic Element Diameter.

Suggested Stacking Distance for 2 Yagis:

584.0 mm Horizontally

562.0 mm Vertically

1.1 mm Dimensional tolerance required for element lengths.

Antenna Dimensions

Cumulative Spacing (mm)	Element	Element Length (mm)
Zero	REFL	183.26
71.89	D.E.	170.43
98.85	D1	159.06
163.56	D2	156.79
240.84	D3	154.43
330.71	D4	152.25
431.36	D5	150.35
539.2	D6	148.72
652.43	D7	147.31
771.05	D8	146.08
895.07	D9	144.99
1024.47	D10	144.02
1159.27	D11	143.14
1299.46	D12	142.33